

LineUp With Math™ Alignment
Sunshine State Standards, Benchmarks, and Grade Level Expectations
Mathematics

Strand A. Number Sense, Concepts, and Operations

Standard 4: The student uses estimation in problem solving and computation.

Benchmark MA.A.4.4.1:

The student uses estimation strategies in complex situations to predict results and to check the reasonableness of results.

LineUp With Math™ Activities

--Explore and apply a variety of strategies to optimize the solution of air traffic control conflicts.

--Predict and resolve aircraft conflicts and explain results of mathematical calculations and simulations.

Strand B. Measurement

Standard 2: The student compares, contrasts, and converts within systems of measurement (both standard/nonstandard and metric/customary).

Benchmark MA.B.2.4.2:

The student solves real-world problems involving rated measures (miles per hour, feet per second).

LineUp With Math™ Activities

--Identify and resolve distance, rate, time conflicts in air traffic control problems by varying plane speeds or changing plane routes.

Standard 3: The student estimates measurements in real-world problem situations.

Benchmark MA.B.3.4.1:

The student solves real-world and mathematical problems involving estimates of measurements including length, time, weight/mass, temperature, money, perimeter, area, and volume, and estimates the effects of measurement errors on calculations.

LineUp With Math™ Activities

--Identify and resolve distance, rate, time conflicts in air traffic control problems by varying plane speeds or changing plane routes.

Strand D. Algebraic Thinking

Standard 1: The student describes, analyzes, and generalizes a wide variety of patterns, relations, and functions.

Benchmark MA.D.1.4.1:

The student describes, analyzes, and generalizes relationships, patterns, and functions through using words, symbols, variables, tables and graphs.

LineUp With Math™ Activities

--Use an interactive simulator plus calculation worksheets to model and resolve air traffic control conflicts.